

**TABLE III**  
**Appendix III**

<b>SHLEICHER &amp; SCHUELL, GmbH</b> P.O. Box 4, D37582, Dassel, Germany	<b>APPLICATION</b>
1. Cellulose Acetate, 0.45 um's 25 mm discs - 23710	Removal of solid matter, proteins > .45 mm
2. Polyvinylidene Fluoride, 0.2 um's, 25 mm disks - 413005	Antibody coating
3. NA45 DEAE Cellulose Membrane, 0.45 um's, 25 mm discs - 23310	Capture aldehydes
4. NA45 DEAE Cellulose Membrane, 0.45 um's, 4x5 1/4 inches - 23430	Capture of malonaldehyde, sulfites, sulfite-bound aldehydes
5. Nylon, 0.45 um's, 25mm discs - 00130	Removal of solid matter, proteins > .45 mm
6. Nylon, 0.2 um's, 25 mm discs - 00030	Removal of solid matter, proteins > .2 mm
7. NL Polyamide	Capture organohalides
8. PC Polycarbonate	Capture aldehydes
<b>Poretics Coporation</b> 111 A Lindbergh Ave., Livermore, CA 94550	<b>APPLICATION</b>
1. MicroPrep, PTFE, PP, NS, 0.2 um's, 13 mm - 97844	Capture compounds having fatty acid chains lipid peroxides
2. MicroSpin, Nylon, 0.45 um's, Micro-Cent. tubes - 97795	Removal of solid matter, proteins
3. Ultra-Spin, CTA, PP S, 10k MWCO, Micro-Cent Tubes - 97771	Removal of solid matter, proteins
4. Silver Membranes, 0.4 um's, 25mm - 51133	Capture of volatiles
5. Polycarbonate Membranes, 0.4 um's, 25 mm, PVP Free - 11030	Capture aldehydes
6. Polycarbonate Membranes, 0.4 um's, 25 mm, AOX - 11027	Capture chlorinated molecules
7. Polycarbonate Membranes, 0.45 um's 47 mm, Low extr. - 13035	Capture aldehydes
8. Polycarbonate Membranes, 0.2 um's, 8" x 10", PVP Free - 19416	Capture aldehydes
<b>MILLIPORE CORPORATION</b> 80 Ashby Rd., Bedford, Ma 01730-2271	<b>APPLICATION</b>
1. Isopore, 0.1 um's, 25 mm discs - VCTP 025 00	Removal of solid matter proteins
2. Immobilon-CD, 0.45 um's, 25mm discs, Cationically charged (hydrophilic PVDF) - ICDM 025 00	Removal of solid matter proteins
3. Low water Extractable (TF) filters, 0.45 um's, 25 mm discs - HATF 025 00	Removal of solid matter without binding organic molecules
4. Hydrophilic Durapore, 0.45 um's, 25 mm discs - HVL-025 00	Removal of solid matter proteins
5. Immobilon (hydrophobic PVDF) high protein binding, 0.45 um's, 25 mm discs - ISEQ 025 00	Capture aldehydes
6. Isopore, HTTP (polycarbonate), 0.4 um's, 25 mm discs - HTTP 025 00	Capture aldehydes
7. Immobilon-P Transfer Membranes (PVDF), 0.45 um's, 15 cm x 15 cm - IPVH 151 50	Coating with antibodies to capture or remove antibody specific compounds
8. Immobilon Transfer Membranes (PVDF), 0.45 um's, 15 cm x 15 cm - ICDM 151 50	Coating with antibodies to capture or remove antibody specific compounds
9. Immobilon NC Pure, 0.22 um's, 15 cm x 15 cm - INCP 151 50	Coating with antibodies to capture or remove antibody specific compounds
10. Immobilon-NC (Surfactant free), 0.45 um's, 15 cm x 15 cm HATF 151 50	Coating with antibodies to capture or remove antibody specific compounds
11. MultiScreen - DEAE Anion Exchange Paper Opaque 96 well plates - MADE NO8 10	Capture aldehydes
12. MultiScreen - Phospho Cellulose Cation Exchange Paper Opaque 96 well plates MAPH NO8 10	Bind lipid peroxides for capture
13. SC X	MW Cutoffs timer polymers triglyceria
14. Polysulfone	Amino acids, peptides proteins
15. IGN-6	Microbes
16. ICE 450	Bind nucleotides DNA
<b>Sartorius</b> 131 Hearland Blvd., Edgewood, NY 11717	<b>APPLICATION</b>
1. Sartoband S	Bind monoclonabe antibodies, etc.
2. Sartoband C	Exdotoxin removal
3. Sartoband Q	Separate proteins anines
4. Sartoband D	DNA ADP ATP AMP
5. Sartoband IDA	Metals; cations
<b>Gelman/Pall</b> 600 South Wagner Road, Ann Arbor, MI 48103-9019	<b>APPLICATIONS</b>
1. Versapor	Prefilter contaminants
2. Ultrabind 05450	Bind monoclonal antibodies, etc.
3. Biodyne C	Separation proteins
4. Biodyne B*	Endotoxins nucleotide separation

FIG. 20

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~~Appendix IV~~

~~TABLE IV~~

# Predictive Algorithms

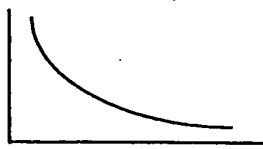
1.	Prediction of Olive Oil Adulteration using product FFA X Polyphenol Please refer to row 29 of Appendix I.	FFA X Polyphenol = Numerical Scale > 50 not adulterated < 50 likely adulterated
2.	Shelf Life Prediction based on MDA/LPO ratio	MDA/LPO is a scale 0 to 5 0-0.5      67% shelf life remains 0.5-1      33% shelf life remains 1-2        15% shelf life remains > 2        5% shelf life remains
3.	Shelf Life Prediction based stress with peroxy generator	% change related to shelf life 0-10%      > 18 months 10-30%     12-18 months 30-50%     6-12 months >50%       < 6 months
4.	Freeze/Thaw Prediction using ratio Acidity/LPO	Ratio      Freeze/Thaw 0-0.2      one 0.2-0.4    two 0.4-0.6    three 0.6-0.8    four
5.	Prediction of time to Mycotoxin contamination using LPO value Please refer to row 33 of Appendix I.	LPO  Time to Contamination
6.	Prediction if food is Irradiated using FFA/LPO ratio	Food non-irradiated has expected FFA/LPO of <1  Food Irradiated increases FFA/LPO >1

FIG. 21

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